# ABSTRACT

**Antifungal Activity of Ethyl Acetate Extract from Endophytic Fungi *Aspergillus salwaensis* Strain DTO297C1 Isolated from *Chromolaena odorata* Against *Candida albicans***

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Endophytic microbes is well known for producing secondary metabolite similar with host plants. Endophytic microbes is a new and potential source in modern medicine, for example in production of antifungal agents. The preliminary test, has shown that the fungus fermentation liquid of *A. salwaensis* possess antifungal activity against *Candida albicans*. The current study focus on antifungal activity of ethyl acetate extract of *A. salwaensis*. The fungus was cultivated for four weeks in malt extract medium, followed by extraction with ethyl acetate. The antifungal assay was conducted against *C. albicans* by using disc diffusion method. The result showed that there was an antifungal activity from concentration of 100 µg/disc. Phytochemical screening was then performed on the ethyl acetate extract of *A. salwaensis* by TLC method. The identification results showed that ethyl acetate extract of *A. salwaensis* contains flavonoids, polyphenols, and terpenoid / steroid which are known to have antifungal activity.

Keywords : Endophytic, *Chromolaena odorata*, *Aspergillus salwaensis*, antifungal, disc diffusion method